

INTERNATIONAL SEARCH REPORT

Internal Application No
PCT/US2005/000038

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B29C44/12 B29C45/16 B29C45/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B29C B60R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 08, 30 June 1998 (1998-06-30) -& JP 10 076544 A (KANSEI CORP), 24 March 1998 (1998-03-24) paragraph [0030] - paragraph [0032]; figures 6A,B paragraph [0034] - paragraph [0043]; figures 7A-7C paragraph [0058]; figure 10C ----- -/--	1-20

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "8" document member of the same patent family

Date of the actual completion of the international search

23 May 2005

Date of mailing of the international search report

23. 09. 2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 11, 3 January 2001 (2001-01-03) -& JP 2000 210978 A (NISHIKAWA KASEI CO LTD), 2 August 2000 (2000-08-02) abstract paragraphs [0014], [0015], [0019] - [0022]; figures 1A-1D,3 -----	1-20
Y	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 07, 31 July 1997 (1997-07-31) -& JP 09 076256 A (TOYOTA MOTOR CORP), 25 March 1997 (1997-03-25) abstract paragraph [0001] - paragraph [0004] paragraphs [0031], [0032]; figure 6 paragraphs [0033], [0034]; figure 7 paragraph [0049]; figure 14 -----	1-20
Y	US 2002/125734 A1 (POKORZYNSKI TONY M ET AL) 12 September 2002 (2002-09-12) paragraph [0002] abstract; figures 1,2 claims 10,12-15,17,18,20,21 -----	1-20
Y	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 13, 30 November 1998 (1998-11-30) -& JP 10 203287 A (TOYOTA MOTOR CORP), 4 August 1998 (1998-08-04) abstract -----	1-20
Y	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 14, 31 December 1998 (1998-12-31) -& JP 10 250519 A (TOYOTA MOTOR CORP), 22 September 1998 (1998-09-22) abstract -----	1-20
Y	US 2003/012837 A1 (SIANO DANTE) 16 January 2003 (2003-01-16) paragraph [0039] - paragraph [0040]; figures 2,6 -----	1-20
Y	US 5 372 491 A (FRITSCH ET AL) 13 December 1994 (1994-12-13) column 5, line 24 - line 61; figures 5,6a,6b -----	1-20

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Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-20

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-20

Foam-in-place of a cushioned region onto a multi-component substrate

2. claim: 21

Overmold an inserted cushion layer by multi-component molding

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internat

Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 10076544	A	24-03-1998	NONE	
JP 2000210978	A	02-08-2000	NONE	
JP 09076256	A	25-03-1997	JP 3303621 B2	22-07-2002
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JP 10203287	A	04-08-1998	NONE	
JP 10250519	A	22-09-1998	NONE	
US 2003012837	A1	16-01-2003	NONE	
US 5372491	A	13-12-1994	DE 3739122 A1	01-06-1989
			WO 8904751 A1	01-06-1989
			EP 0389507 A1	03-10-1990
			JP 3500991 T	07-03-1991
			JP 4042171 B	10-07-1992